

International Joint Research Projects FY2013

Faculty Affiliation	Name	Post	Field of Research	Research Partner Name	Country	Joint Reseacher's Name and Post
Education	Yumiko TAKAGI	Professor	Development of environmental-benign SSC teaching material using ionic liquids	Colorado State University	U.S.A.	Professor Stephen Thompson
Education	Yumiko TAKAGI	Professor	Student exchange program as a means to sustainable learning Experience, and understanding of cultural diversity	Chiang Mai University	Thailand	Assistant professor Wichian Sunitham
Education	Satoshi MURAYAMA	Professor	Geo-Communication for Water and Environmental Culture	University of South Bohemia	Czech Rep.	Dr. Josef Grulich
Education/ International Consortium for Earth and Development Sciences	Toru TERAQ	Professor	Epidemiological study of cholera transmission in association with local meteorological and hydrological environment in Bangladesh	International Centre for Diarrhoeal Disease Research, Bangladesh / Health and Demographic Surveillance	Bangladesh	Health and Demographic Surveillance • Head, Peter Kim Streatfield
Education/ International Consortium for Earth and Development Sciences	Toru TERAQ	Professor	Rainfall mechanisms and flood disasters in the northeastern Indian subcontinent	Indian Institute of Technology Guwahati / Department of Civil Engineering/Guwahati University / Department of Geography/Northeastern Hill University / Department of Geography/Cotton College / Department of Physics/Bangladesh University of Engineering and Technology / Department of Water Resources Engineering	India/Bangladesh	Professor, Subashisa Dutta/Professor, A. K. Bhagabati/Professor, Hiambok Jones Syiemlich/Lecturer, Rahul Mahanta/Professor, Md. Sabbir Mostafa Khan
Education	Masafumi MATSUMURA	Professor	Evaluation of the Mueller Matrix for Ellipsoidal Grains with Spline Interpolation	University of Montreal (1) Université Joseph Fourier (2)	Canada (1) France (2)	Professor, Pierre Bastien (1) Professor, Jean-Charles Augereau(2) Graduate student• Julien Vandeportal (1)(2)
Law	Yukako SAGAWA	Associate Professor	Ausserprozessuale Erhebung der Beweisen und Ihre Verwertung im Strafprozess	Jagiellonian University	Poland	Prof. Dr. Hofmański Piotr
Medicine	Natsuo UEDA	Professor	Biosynthetic pathways of bioactive N-acylethanolamines in brain	Stony Brook University	U.S.A.	Professor Dale G. Deutsch
Medicine	Akira NISHIYAMA	Professor	Role of (pro)renin receptor in the pathophysiology of hypertension and renal disease	フランス国立研究所 (UMR INSERM)	France	Professor, Genevieve Nguyen
Medicine	Akira NISHIYAMA	Professor	Effects of aldosterone and mineralocorticoid receptor blockade on intrarenal renin-angiotensin system	California University, Natural Sciences	U.S.A.	Assistant Professor, Rudy M. Ortiz
Medicine	Akira NISHIYAMA	Professor	In vivo imaging	Physiology, University of Bristol	U.K.	PHD student, Kai Betteridge
Medicine	Hirofumi HITOMI	Assistant Professor	Effects of renin-angotensin-aldosterone system on vascular insulin resistance	Emory University, Diovision of Cardiology	U.S.A.	Professor, Kathy K. Griendling
Medicine	Hiroyuki KOBORI	Associate Professor	Role of intrarenal renin-angiotensin system in the pathophysiology of hypertension and renal disease	Tulane University Health Sciences Center	U.S.A.	Chairman&Professor, L.Gabriel Navat
Medicine	Daisuke NAKANO	Assistant Professor	the role of endothelin on regulation of sodium handling in renal medulla	South California University, School of Medicine	U.S.A.	Associate Professor, Janos Peti-Peterdi
Medicine	Tohru YAMAMOTO	Professor	Functional Analysis of MDGA family proteins	The University of British Columbia	Canada	Professor and Canada Research Chair • Ann Marie Craig
Medicine	Tohru YAMAMOTO	Professor	Molecular Mechanisms on the Central Projections of DRG neurons	Cincinnati Childrens Hostital Mediacal Center	U.S.A.	Assistant Professor • Yutaka Yoshida
Medicine	Nobukazu ARAKI	Professor	Molecular regulatory mechanism of phagocytosis and macropinocytosis	University of Michigan	U.S.A.	Professor • Joel A.Swanson

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Medicine	Katsuya MIYAKE	Associate Professor	Live Imaging of membrane repair in the mouth by multi-photon laser microscope	Georgia Health Scinece University	U.S.A.	Professor • Paul L McNeil
Engineering	GUO Shuxiang	Professor	A New Micro Catheter System for Intravascular Neurosurgery	Harbin Engineering University Beijing University of Technology Bijing Institute of Technolohy Wuhan University of Technology Tianjin Uniersity of Technology	China	Professor Yanling Hao, Professor Xiufen Ye, Professor Jianwen Cui, Prof.Hongtao Gao, Prof.Desheng Li, Prof.Chunfu He, Prof.Bendog Liu
Engineering	GUO Shuxiang	Professor	The Mechanism and Control of a New Type of operating Robotics System for Medical Applications	Harbin Engineering University	China	Professor Xiufen Ye, Professor Kejun Wang
Engineering	Qi FENG	Professor	Study on preparation of single nanocrystal metal oxides exposed special surface and character for solar energy conversion	Baoji University of Arts and Science	China	Professor • Puhong Wen
Engineering	Hideyuki SAWADA	Professor	A study on the measurement technique of fruit internal quality using acoustic signal processing	Chiang Mai University	Thailand	Nipon TheeraUmpon Sansanee Auerphanwiriyakul Nattapong Swangmuang Kasemsak Uthaichana
Engineering	Hideyuki SAWADA	Professor	A Study of Multi-modal Interface that Flexibly Understands Human Behavior	Chiang Mai University	Thailand	Nipon TheeraUmpon Sansanee Auerphanwiriyakul Nattapong Swangmuang Kasemsak Uthaichana
Engineering	Hideyuki SAWADA	Professor	A study on the multimodal interface and the computational intelligence	Universite de savoie	France	Eric Benoit Patrice Moreaux Philippe Bolon
Engineering	Qi FENG	Professor	Microwave-assisted hydrothermal soft chemical synthesis of (111)- and (010)-faceted anatase TiO ₂ nanocrystals	Beijing Normal University	China	Professor • Xiaojing Yang
Agriculture	Takeshi KATAYAMA/To shisada SUZUKI	Professor	Investigation of the novel physiologically active substances originated from medicinal plants and fancy woods in Indonesia	Bogor Agricultural University Mulawarman University	Indonesia	Professor • Wasrin Syafii Professor • Sipon Muladi
Agriculture	Takeshi KATAYAMA/To shisada SUZUKI	Professor	Isolation and identification of chemical constituents from bark of tropical fast-growing trees and from each part of tropical plants, and their biological activities	Faculty of Mathematics and Natural Sciences, Bogor Agricultural University	Indonesia	Lecturer • Syamsul Falah Lecturer • Dimas Adrianto Lecturer • Waras Nurcholis Head of Department • Sulistitani
Agriculture	Takeshi KATAYAMA/To shisada SUZUKI	Professor	Extractives of <i>Jatropha curcas</i> , a plant for the production of biodiesel fuel, and their biological activities	Faculty of Agriculture, Chiang Mai University	Thailand	Lecturer • Tanachai Pankasemsuk
Agriculture	Takeshi KATAYAMA/To shisada SUZUKI	Professor	Plantation and Agroforestry of <i>Falcata (Albizzia falcataria)</i> in Indonesia and utilization of the waste <i>Falcata</i> wood	Faculty of Agriculture, University of Pembangunan Nasional "Veteran" East Java Faculty of Agriculture, Bogor Agricultural University Faculty of Mathematics and Natural Sciences, Bogor Agricultural University	Indonesia	Dean • Ramdan Hidayat Professor • Roedhy Poerwanto Lecturer • Syamsul Falah
Agriculture	Takeshi KATAYAMA/To shisada SUZUKI	Professor	Natural wood preservatives from Indonesian wood extractives	Faculty of Forestry, Hasanuddin University	Indonesia	Lecturer • Syahidah
Agriculture	Hisashi KATO	Professor	Mode of action of allelopathic subatanses	Cadiz University	Spain	Professore • José María González Molinillo Professore • Francisco A. Macías
Agriculture	Hisashi KATO	Professor	Development of bio-herbicide from Thai medicinal plants	King Mongkut's Institute of Technology	Thailand	Assosiate professore • Chamroon Laosinwattana
Agriculture	Hisashi KATO	Professor	Allelopathy in medicinal plants	Bangladesh Agricultural University	Bangladesh	Professor • Md. Sultan Uddin Bhuiya

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Agriculture	Hidefumi YOSHII	Professor	Enzymatic Engineering of Nano-structured Functional Lipid Powder by Emulsification and Encapsulation	VTT Technical Research Centre of Finland - Business from technology	Finland	Chief Researcher • Pirkko Forsell
Agriculture	Hidefumi YOSHII	Professor	Encapsulation of functional compounds by spray drying	Faculty of Engineering, Chulalongkorn University	Thailand	Lecturer • Apinan Sootitawat
Agriculture	Hidefumi YOSHII	Professor	Encapsulation of flavor	Agrosup Dijon	France	Professor • Yves.Wache
Agriculture	Hiroshi KAMEYAMA	Associate Professor	Regional Comparison of Cassava Production Profitability by Risk Analysis	Chiang Mai University	Thailand	Lecturer • Kamol Ngamsomsuk(Head of Agricultural Extension and Economics)
Life Science Research Center	Naoko TAKEZAKI	Professor	Evolutionary origin and conservation of disease-related microsatellite DNAs	Arizona State University	U.S.A.	Professor•Sudhir Kumar
Life Science Research Center	Nozomu NISHI	Associate Professor	Role of galectin-9 in virus-induced tumor cells	Centre National de la Recherche Scientifique	France	Professor Pierre Busson
Life Science Research Center	Nozomu NISHI	Associate Professor	Molecular mechanisms underlying T cell apoptosis induced by galectin-1	University Rostock	Germany	Professor Hermann Walzel
Life Science Research Center	Nozomu NISHI	Associate Professor	Molecular mechanisms underlying tumor cell and T cell apoptosis	University Medical Center Groningen	Netherlands	Dr. Edwin Bremer
Life Science Research Center	Nozomu NISHI	Associate Professor	Effect of galectins on cell spreading and proliferation of human retinal pigment epithelial cells	Helmholtz Zentrum Deutsches Forschungszentrum für Gesundheit und Umwelt (GmbH)	Germany	Dr. Stefanie Hauck
Life Science Research Center	Nozomu NISHI	Associate Professor	Role of galectin-3 on immune regulation and tumor progression	Instituto do Câncer do Estado de São Paulo	Brazil	Dr. Emerson S. Bernardes
Life Science Research Center	Nozomu NISHI	Associate Professor	Novel interaction of Galectin-9 with 4-1BB, a member of the TNFR superfamily	La Jolla Institute for Allergy and Immunology	U.S.A.	Professor Michael Croft